Acta Zootaxonomica Sinica, 30 (4): 777 - 779 (Oct., 2005)　　ISSN 1000-0739
动物分类学报

植盲蝽属一新种记述 (半翅目, 异翅亚目, 盲蝽科)

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摘　要　记述盲蝽科盲蝽亚科植盲蝽属 *Phytocoris* Fallén, 1814 1 新种, 九寨植盲蝽 *Phytocoris jiuzhaiensis* sp. nov., 模式标本采自四川省九寨沟自然保护区。标本存放于内蒙古师范大学生命科学与技术学院昆虫研究所标本室。

关键词　盲蝽科, 盲蝽亚科, 植盲蝽属, 新种.
中图分类号　Q969.357.6

植盲蝽属 *Phytocoris* Fallén, 1814 是盲蝽科盲蝽亚科中 1 个大属, 已知有 600 多种, 分布于世界各地。中国目前已记载近 40 种。在鉴定采自我国四川省九寨沟自然保护区的一批半翅目昆虫标本时, 发现植盲蝽属一新种, 隶属于盲蝽亚科盲蝽族, 描述如下。测量单位 mm。

九寨植盲蝽, 新种 *Phytocoris jiuzhaiensis* sp. nov. (图 1～9)

体狭长。头顶黄白色, 具不规则黑褐色云斑, 具浅色半直立长毛; 复眼大, 黑褐色, 基部周缘浅色; 额部具棕褐色放射状斑纹, 额下方及唇基黑褐, 唇基基部及端部两侧各具一浅色斑, 上、下颚片黑褐; 头腹面浅色。触角深褐色, 细长, 第 I 节被平伏黑色细毛和半直立浅色毛, 具不规则且相互连接的黄白色斑; 第 II 节基部和近中部各具一黄白色环纹; 第 III 节基部具一窄的黄白色环纹。喙深褐色, 第 I 节浅褐色, 第 II、III 节基部浅色, 端部伸达后足基节前。

前胸背板被平伏黑色毛和银色丝状毛, 浅褐色, 领及胝区黄白, 两侧及盘域褐色部分的后缘、胝区后缘斑点色更深, 后缘黄白色, 形成缺刻状波纹 (图 1)。小盾片浅色, 中纵线及端部黄白色, 纵线两侧具深褐色纵斑, 近端部两侧各具一大的深褐色斑。胸部腹板深褐, 臭腺孔黄白。半鞘翅基色黄白, 被平伏的黑色和银白色短毛, 具不规则且相互连接的褐色云斑; 爪片内侧为连续的黄白色; 革片近端部具一较大的褐色斑, 革片端部内侧和楔片基部为连续的黄白色; 楔片缝内侧具一小褐色斑; 膜片黄白, 具浅褐色碎斑, 翅室内周缘色斑更加密集, 小翅室外缘翅脉黑褐, 其余翅脉黄白。

足黄白色, 腿节具不规则且相互连接的深褐色斑, 在中部和端 1/4 处深色斑不连续而呈模糊的浅色环状; 前足胫节、中足胫节各具 4 个深褐色环与浅色环相间, 除端部的浅色环较宽外, 其余均窄于相邻的深色环; 后足胫节具 4 个深褐色环, 基部 2 个与相邻的浅色环近等宽, 其余均宽于浅色环; 跗节黑褐。腹部腹面褐, 被半直立浅色毛。

雄性右阳基侧突基部具小齿, 顶端小指状斜指 (图 2～3); 左阳侧基突感觉叶乳突状, 具小齿, 小齿多位于感觉叶腹面, 杆部向端部略扭曲, 杆部的外侧在弯曲处具 2 个小齿, 端部呈鹅头状 (图 4～6)。阳茎端梳状板左侧、顶端和右侧上半部具齿, 左侧齿指向斜上, 右侧齿指向斜下, 梳状板内为一袋状膜囊伸出, 基部侧面为一呈羊肚状膜囊, 表面具平行排列的微齿; 阳茎端基部两侧各具一膜囊, 左侧膜囊下指, 右侧膜囊上指 (图 7～9)。

体长 9.45, 宽 2.85。头长 0.96, 宽 1.20, 头顶宽 0.24, 眼宽 0.48, 触角第 I 节长 1.22, 第 II 节长 3.36。前胸背板长 1.17, 宽 2.10, 领长 0.12, 小盾片长 1.08, 宽 1.20。

雌性　体色深色部分接近黑褐色, 头顶较宽, 复眼较小。体长 9.60, 宽 2.88。头长 1.02, 宽 1.14, 头顶宽 0.48, 眼宽 0.33, 触角第 I 节长 1.68, 第 II 节长 3.60。前胸背板长 1.14, 宽 2.40, 领长 0.12, 小盾片长 1.22, 宽 1.44。

正模 ♂, 四川九寨沟 (海拔 2 400 m), 2002-08-16, 石福明采。副模 ♀, 同正模。

词源: 新种学名根据模式产地四川省“九寨沟”之名汉语拼音的前部分为字根而命名。

新种体色和色斑特征近似于四川省里县的极长植盲蝽 *P. longissimus* Xu et Zheng, 2002, 但雄体

收稿日期: 2005-03-18, 修订日期: 2005-06-22.

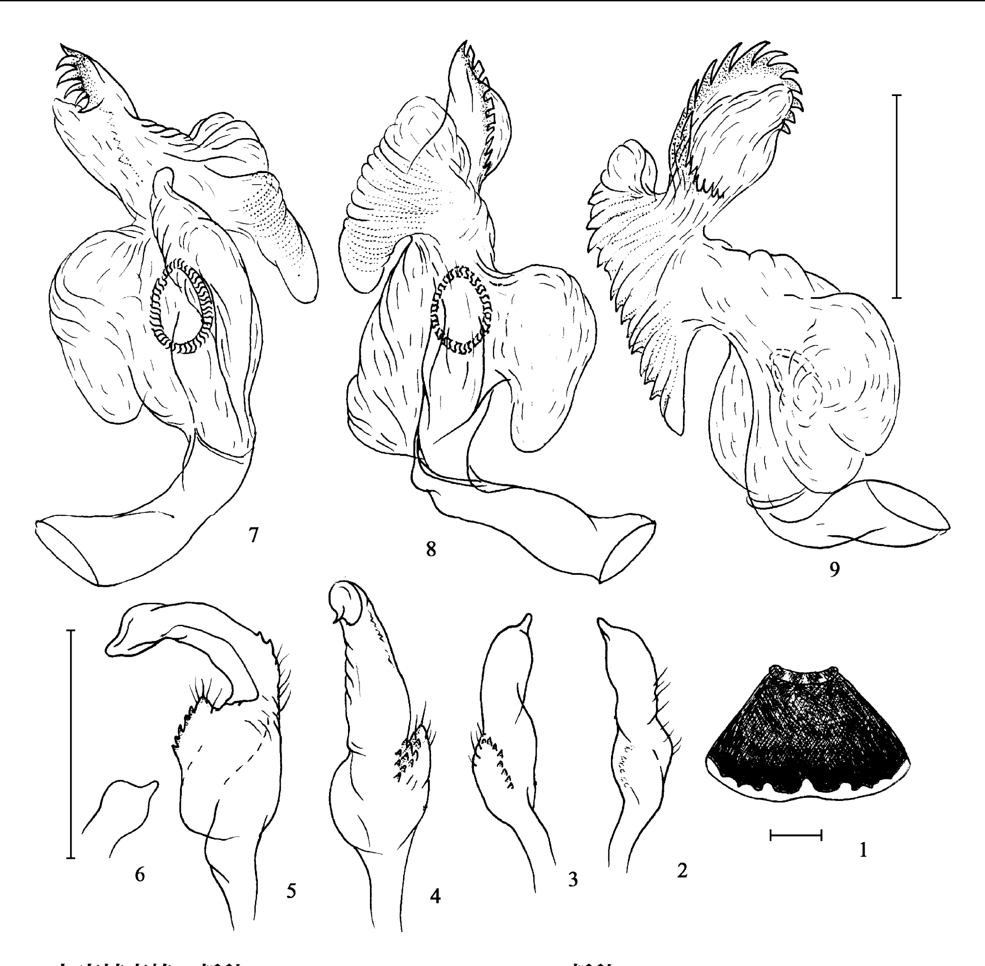


图 1～9 1～9 九寨植盲蝽，新种 *Phytocoris jiuzhaiensis* sp. nov. 新种 (♂)
1. 前胸背板 (pronotum) 2～3. 雄性右基侧突 (right paramere, different views) 4～6. 雄性左基侧突 (left paramere, different views) 7～9. 阳茎端 (vesica, different views) 比例尺 (scale bars) = 0.5 mm

头顶极窄，前胸背板后缘黄白色形成缺刻状波纹，雄性左侧基突杆部较短，外侧在弯曲处具小齿，阳茎端梳状板和膜囊特征均不同，可以区分。新种也接近于四川省里县的卧龙植盲蝽 *P. wolongensis* Xu et Zheng, 2001，但触角第 III节中部不具黄白色环文，前胸背板颜色深，雄性左侧基突杆部较短，阳茎端膜囊特征不同，可以区别。

REFERENCES (参考文献)

Xu, B-H and Zheng, L-Y 2001. Four new species of *Phytocoris* Fallén from China (Heteroptera: Miridae). Acta Zootaxonomica Sinica, 26 (3): 257-265. [许兵红，郑乐怡，2001. 植盲蝽属四新种记述 (半翅目：盲蝽科). 动物分类学报，26 (3): 257～265]

Xu, B-H and Zheng, L-Y 2002. Nine new species of *Phytocoris* Fallén from China (Heteroptera: Miridae). Acta Zootaxonomica Sinica, 27 (2): 189-204. [许兵红，郑乐怡，2002. 植盲蝽属九新种记述 (半翅目：盲蝽科). 动物分类学报，27 (2): 189～204]

Zheng, L-Y, Lü, N, Liu, G-Q and Xu, B-H 2004. Fauna Sinica, Insecta, Vol. 3, Hemiptera, Miridae, Mirinae. Science Press, Beijing. 469-535. [郑乐怡，吕 楠，刘国卿，许兵红，2004. 中国动物志，昆虫纲，第 33 卷，半翅目，盲蝽科，盲蝽亚科. 北京：科学出版社. 469～535]

A NEW SPECIES OF THE GENUS *PHYTOCORIS* FALLÉN (HEMIPTERA, HETEROPTERA, MIRIDAE)

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Abstract A new species of the genus *Phytocoris* Fallén, 1814 from Jiuzhaigou Natural Reserve, Sichuan Province is described. The type specimens are deposited in the collection of Institute of Entomology, College of Life Sciences & Technology, Inner Mongolia Normal University. Measurements are given in mil-

limeters.

Phytocoris jiuzhaiensis sp. nov. (Figs. 1-9)

Body elongate. Vertex yellowish white with irregular dark brown spots and suberect light colored hairs. Compound eyes big and dark brown with basal around light. Frons with brown radial striae. Apex of frons and tylus dark brown. Base and lateral sides of apex of tylus with light spots. Mandibular and maxillary plates dark brown. Venter of head light. Antennae dark brown and linear; segment Ⅰ with adpressed black hairs and suberect light hairs, also with irregular but connected yellowish white spots; segments Ⅱ with yellowish white color rings at base and near middle; base of segment Ⅲ narrowly yellowish white. Rostrum dark brown; segment Ⅰ light brown; segment Ⅱ and Ⅲ with narrow light color at base; apex of the rostrum reaching to anterior part of hind coax.

Pronotum dark brown, covered with adpressed black hairs and silvery sericeous hairs. Collar and calli yellowish white. Posterior margin of dark brown coloration on disc and lateral of pronotum as well as spots on the posterior margin of calli darker. Posterior margin of pronotum yellowish white and forming a wavy pattern (Fig. 1). Scutellum light colored, its median longitudinal carina and apex yellowish white, with dark longitudinal brown striae on both sides and each dark brown spot at lateral side subapically. Sternum dark brown. Ostiola peritreme yellowish wihte. Hemelytra yellowish white, covered with adpressed black hairs and short silvery hairs as well as irregular and connected brown spots; inner margin of clavus yellowish white; corium with a larger brown spot at subapex, inner margin apically yellowish white; base of cuneus yellowish white with a small brown spot on inside of cuneal suture; membrane yellowish white with light brown spots which are denser around inner side of cells; outer vein of small cell dark brown and the rest yellowish white.

Legs yellowish white; femora with irregular but connected dark brown spots which disconnected on apical 1/4 showing obscure light colored ring; fore and middle tibia each with 4 dark brown rings which wider than light ones except the apical one; hind tibia with 4 dark brown rings, basal two as wide as the near light rings but others wider than near light rings; tarsus dark brown. Venter of abdomen brown, covered with suberect light hairs.

Right paramere spinculate near base, apex finger-like and directing obliquely (Figs. 2-3); left paramere curved, sensory lobe papillary and spinculate ventrally, shaft weakly twisted apicad with 2 small dentes on outer side of corner, hypophysis goose-head-like (Figs. 4-6). Vesica with 2 membranous lobes laterally at base, the left one pointed down and the right one pointed up; comb-shaped spicule with teeth except lower half of right side, the teeth on left side pointed up incline and that on right side pointed down incline, also the comb-shaped spicule with a baggy membranous sac protruded and a corrugated sac surface of which with parallel arranged micro teeth (Figs. 7-9).

Body length 9.45, width 2.85. Head length 0.96, width 1.20, vertex width 0.24, compound width 0.48, length of antennal segment Ⅰ 1.22, length of antennal segment Ⅱ 3.36. Pronotum length 1.17, width 2.10, collar length 0.12, scutellum length 1.08, width 1.20.

Female. Dark coloration nearly to blackish brown; vertex much more wide; eye relatively smaller. Body length 9.60, width 2.88. Head length 1.02, width 1.14, vertex width 0.48, compound width 0.33, length of antennal segment Ⅰ 1.68, length of antennal segment Ⅱ 3.60. Pronotum length 1.14, width 2.40, collar length 0.12, scutellum length 1.22, width 1.44.

Holotype ♂, Jiuzhaigou (32°55′-33°16′N, 103°46′-104°05′E; 2 400 m), Sichuan Province, 16 Aug. 2002, SHI Fu-Ming leg. Paratype ♀, same data as holotype. All deposited in the collections of Inner Mongolia Normal University.

Etymology. The new species is named after its collecting site.

This new species is similar to *P. longissimus* Xu & Zheng, 2002, but differs by: vertex very narrow; posterior margin of pronotum yellowish forming wavy pattern; shaft of right paramere relative shorter and with small dentes on outer side of corner; different comb-shaped spiculum and membranous lobes. The new species is also allied to *P. wolongensis* Xu et Zheng, 2001, but differs by: antennal segment Ⅲ without yellowish white color ring in middle; pronotum dark colored; shaft of right paramere relative shorter and different membranous lobes of vesica.

Key words Miridae, Mirinae, Phytocoris, new species.